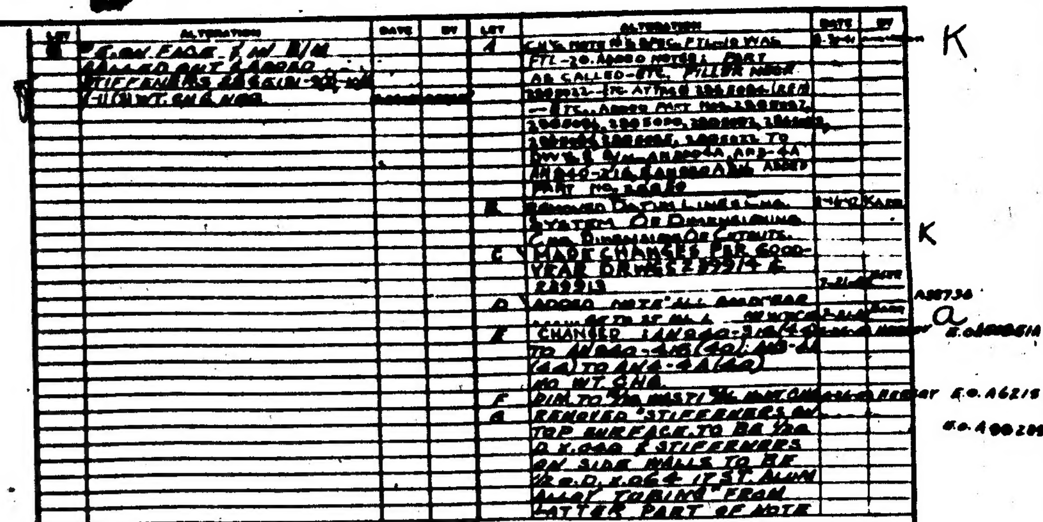


Ⓐ AIR VENT FITTING 28G5089

Ⓐ 28G5082

DETACHABLE GAS TIGHT INSPECTION COVER 28G5084 / 28G5085

Ⓐ ATTACH 28G5084(REF) TO 28G5085(REF) WITH AN6-4A(DRILLED HDS) AN960-416 WASHERS Ⓔ

℄ STIFFENER — INBOARD SIDE — STIFFENERS — ℄ STIFFENER — BREAK — ℄ CELL

Ⓖ 28G5191-11 — Ⓖ 28G5191-11 — 28G5191-11 Ⓖ

UPPER FRONT SIGHT GUAGE CONNECTION — UPPER REAR SIGHT GAUGE CONNECTION

OUTBOARD SIDE — $30\frac{1}{8}$ — $17\frac{1}{4}$ — $42\frac{3}{8}$ — $46\frac{1}{2}$ — $61\frac{1}{4}$

PLAN VIEW

Ⓐ FILLER NECK 28G5083 ATTACH TO 28G5082 (REF) WITH AN3DD4A(DRILL HD. FOR LOCK WIRE) AN960A316 WASHERS.

TOP — FORWARD — BOTTOM

Ⓖ 28G5191-9 — Ⓖ 28G5191-10 — Ⓖ 28G5191-9

℄ OUTBD STIFFENER — ℄ INBD STIFFENER — ℄ INBD & OUTBD STIFF

33 — 20 — $13\frac{3}{8}$ — $24\frac{3}{8}$ — $45\frac{1}{8}$ — $53\frac{3}{8}$ — 58

SIDE VIEW-LOOKING INBOARD

THIS PLANE IS FLAT, PERPENDICULAR TO ℄ OF CELL.

INBD SIDE

THIS PLANE IS TAPERED DOWNWARD & FORWARD

REAR VIEW

Ⓐ NOTE: ALL PARTS AS CALLED FOR ARE FURNISHED AND INSTALLED ON CELLS BY VENDOR. ALL BOLTS TO BE PRIMED BEFORE ASS'Y & HEADS REPRIMED AFTER WIRING. LOCK WITH SINGLE SAFETY WIRE.

Ⓓ NOTE: ALL GOODYEAR SELF SEALING CELL INSPECTION COVERS WITH 1/4 BOLTS ARE TO BE SECURED WITH PERMATEX #2 PASTE AND A TORQUE OF 65 TO 75 IN. LBS.

Ⓕ $70\frac{13}{16}$ — $54\frac{3}{8}$ — $38\frac{1}{2}$ — $28\frac{7}{8}$ — $19\frac{1}{4}$ — $10\frac{1}{8}$ — $24\frac{17}{16}$ — $13\frac{1}{8}$

OUTBOARD SIDE

LOWER FRONT SIGHT GAUGE CONNECTION (TYPICAL) Ⓐ 28G5090 (4 PIECES)

LOWER REAR SIGHT GAUGE CONN (TYPICAL)

INBOARD SIDE

MANIFOLD FITTINGS (THREE) Ⓐ 28G5086

SUMP FITTING Ⓐ 28G5087

BOTTOM VIEW

NOTES :-

*1. TOLERANCES ON COMPLEATED CELLS:-
LENGTH: $\pm\frac{1}{8}$
WIDTH: $\pm\frac{1}{8}$
HEIGHT: $\pm\frac{1}{8}$

*2. FOR OUTSIDE CONTOUR DIMENSIONS, USE ORDINATE DRAWING 28R5070.

*4. ALL FITTINGS SHOWN ARE FURNISHED BY VENDOR, AND ARE TO BE MOLDED FROM SYNTHETIC RUBBER IMPERVIOUS TO GAS, AND TO BE VULCANIZED TO CELL IN LOCATIONS AS SHOWN.

*5. REMOVABLE STIFFENERS TO BE INSTALLED IN LOCATIONS INDICATED ON DRAWING TO PREVENT SAG AND PERMANENT SET OF CELL WALLS UNDER OPERATING CONDITIONS.

Ⓖ

*6. CONSTRUCTION OF CELLS TO CONFORM WITH GOODYEAR TIRE AND RUBBER CO. SPEC. FTL-10 AND TO NAVY SPEC. M475 FOR FUEL CONTAMINATION, FUEL DIFFUSION AND WEIGHT INCREASE.

PURCHASE TO DWG.

-R	28-5AMN	28G5040	1
-L	28-5AMN	28G5040	1
-R	28-5MN	28G5040	1
-L	28-5MN	28G5040	1
R	PBY-5A		1
	PBY-5A		1

PART NO.	STOCK	MATERIAL	SPEC.
	WASHERS		
	WASHERS		
AN6-4A	BOLTS		
AN3DD4A	BOLTS		
28G5191-9			
28G5191-10			
28G5191-11			
28G5083	FILLER NECK		
28G5090	SIGHT GAUGE FITTING		
28G5089	VENT FITTING		
28G5087	SUMP FITTING		
28G5086	MANIFOLD FITTING		
	INSP. COVER FRAME ASSY.		
28G5084	INSP. COVER		
28G5082	FILLER FITTING		
	SEE NOTE		

PARTS LIST PER ASSY. -0 -2 -3 -4 -5

SCALE 3"=1'-0

H 444

NAME FUEL CELL #1 - SELF SEALING CELL. - CEN. SEC. - WING

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

J 28G5105

R